



14230 U.S. PTO

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on April 7, 2004 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number **ER562286029US**, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Attorney Docket No.: 03-2198/LSI1P242

First Named Inventor: DESAI

Sue Funchess  
Sue Funchess

17548 U.S. PTO  
10/820494



**UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir: This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:  
**KISHOR V. DESAI and MANIAM B. ALAGARATNAM**

For: **METHOD AND APPARATUS FOR ESTABLISHING IMPROVED THERMAL COMMUNICATION BETWEEN A DIE AND A HEATSPREADER IN A SEMICONDUCTOR PACKAGE**

Assigned to: LSI Logic Corporation

**Application Elements:**

- ☒ **21** Pages of Specification, Claims and Abstract
- ☒ **03** Sheets of Formal Drawings
- ☒ **02** Pages of Combined Declaration and Power of Attorney

**Accompanying Application Parts:**

- ☐ Do not publish this application. Nonpublication Request is attached.
- ☒ Assignment and Assignment Recordation Cover Sheet (recording fee of \$40.00 enclosed)
- ☐ 37 CFR 3.73(b) Statement by Assignee
- ☐ Information Disclosure Statement with Form PTO-1449
- ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard
- ☐ Other:

Claim For Foreign Priority

- ☐ Priority of \_\_\_\_\_ Application No. \_\_\_\_\_ filed on \_\_\_\_\_  
is claimed under 35 U.S.C. § 119.
- ☐ The certified copy is enclosed.
- ☐ The certified copy has been filed in prior application U.S. Application No. \_\_\_\_\_
- ☐ The certified copy will follow.

Fee Calculation (37 CFR § 1.16)

- ☐ Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.

	(Col. 1) Total Claims		(Col. 2) Claims	(Col. 3) Present Extra	Rate	Additional Fee
TOTAL	28	MINUS	20	= 8	x 18 =	\$144.00
INDEP.	3	MINUS	3	= 0	x 86 =	\$-0-
[ ] First presentation of multiple dependent claim					\$290 =	
Basic Filing Fee under 37 C.F.R. §1.16(a)					\$770 =	\$770.00
TOTAL						\$914.00
SMALL ENTITY 50% FILING FEE REDUCTION (if applicable)						

- ☐ Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ is enclosed.

- ☒ The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 12-2252 (Order No. 03-2198).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

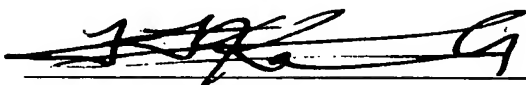
- ☒ Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 12-2252 (Order No. 03-2198).

- ☒ Please send correspondence to the following address:

**Customer Number 024319**

024319

Date: April 7, 2004

  
Francis T. Kalinski II  
Registration No. 44,177